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In the claims:

Please amend the claims as shown below:

1. (Original) A method for coating an implant device,
5 comprising:
coating the implant device with a protein;
covalently immobilizing a first substance having an amino
group to the protein; and
adsorbing a bisphosphonate substance to the first substance,
10 the first substance being different from the bisphosphonate
substance.
2. (Original) The method according to claim 1 wherein the
15 immobilizing step comprises covalently linking a reactive
group such as an amino group of bisphosphonate to the
protein.
3. (Original) The method according to claim 1 wherein the
20 adsorbing step comprises using a chemically non-reactive
bisphosphonate.
4. (Original) The method according to claim 1 wherein the
coating steps further comprises using a cross-linked protein.
- 25 5. (Original) The method according to claim 1 wherein the
method further comprises etching a surface of the implant
device.
- 30 6. (Original) The method according to claim 1 wherein the
method further comprises creating a plurality of protein
layers by cross-linking the protein layers with by ethyl-
dimethyl-aminopropylcarbodiimide (EDC) and hydroxy-
succinimide (NHS).

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7. (Original) The method according to claim 1 wherein the coating step further comprises immobilizing a first protein layer onto a surface of the implant device via an attachment
5 of amino propyl triethoxy silane (APTES).

8. (Original) The method according to claim 7 wherein the coating steps further comprises using glutaraldehyde to chemically bind the APTES and glutaraldehyde to amino groups
10 of the first protein layer.

9. (Original) An implant device, comprising:
a multilayer of protein chemically bound to a surface of the implant device;
15 a chemically immobilizable bisphosphonate layer covalently bound to the protein film; and
a chemically non-reactive bisphosphonate layer non-covalently bound to the first bisphosphonate layer.

20 10. (Original) The implant device according to claim 9 wherein the second bisphosphonate layer is bound to the protein film only by non-covalent interactions.

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